

APPARATUS AND METHOD FOR CONCURRENT CHEMICAL SYNTHESIS**ABSTRACT OF THE DISCLOSURE**

This invention provides an apparatus for preparing chemical libraries. The
5 apparatus includes (1) a carousel comprising a plurality of reaction mounts having at least
one reaction well; (2) a rotator that rotates the carousel step-wise; (3) a fluid delivery
system; (4) a drain system; and (5) a programmable computer that controls the operation
of the apparatus, including the rotator, the fluid delivery system, the drain system and
other systems in the apparatus. The preparation of chemical libraries involves rotating the
10 carousel through a plurality of stations. At each station, a physical step in a reaction
protocol is carried out on the reaction wells of the mount docked at the station.

15

SF 198116 v1

09875204.060501
105090"10252850